

# SIP Revision

## Public Participation Meeting

John Rustige, P.E.  
Air Pollution Control Program  
Missouri Department of Natural Resources

# Meeting Outline

- SIP Overview
- Air Quality History
- SIP Revision
  - Schedule
  - Projects Proposed by Doe Run
  - Attainment Demonstration Approach
- Questions / Comments / Suggestions

# SIP Call Overview

- EPA Published Proposed SIP Call on December 19, 2005
- Comments
  - Summary of MDNR's Comments
- SIP Call Finalized on April 14, 2006
  - Submittal Deadline: April 7, 2007
  - Attainment Deadline: April 7, 2008



# SIP Call Overview cont'

- Elements of a SIP
  - Explanation of Legal Authority
  - Inventory of Emission Sources
  - Technical Attainment Demonstration & Emission Control Strategy
  - Mechanism to make Emission Controls Enforceable / Deadlines
    - Consent Judgement
    - Regulations
  - Contingency Measures
  - Opportunity for Public Comment

# History/Timeline of Previous SIP Efforts

- CAAA 1977
- October 1978 Lead NAAQS Promulgated
- First SIP Deadline: July 5, 1979, with Attainment Date of November 5, 1982
- SIP Submittal Delayed by Lack of EPA Monitoring Guidelines & MDNR Obligations Regarding Other Pollutants
- First SIP Submitted July 1982 (Statewide)

# History/Timeline of Previous SIP Efforts

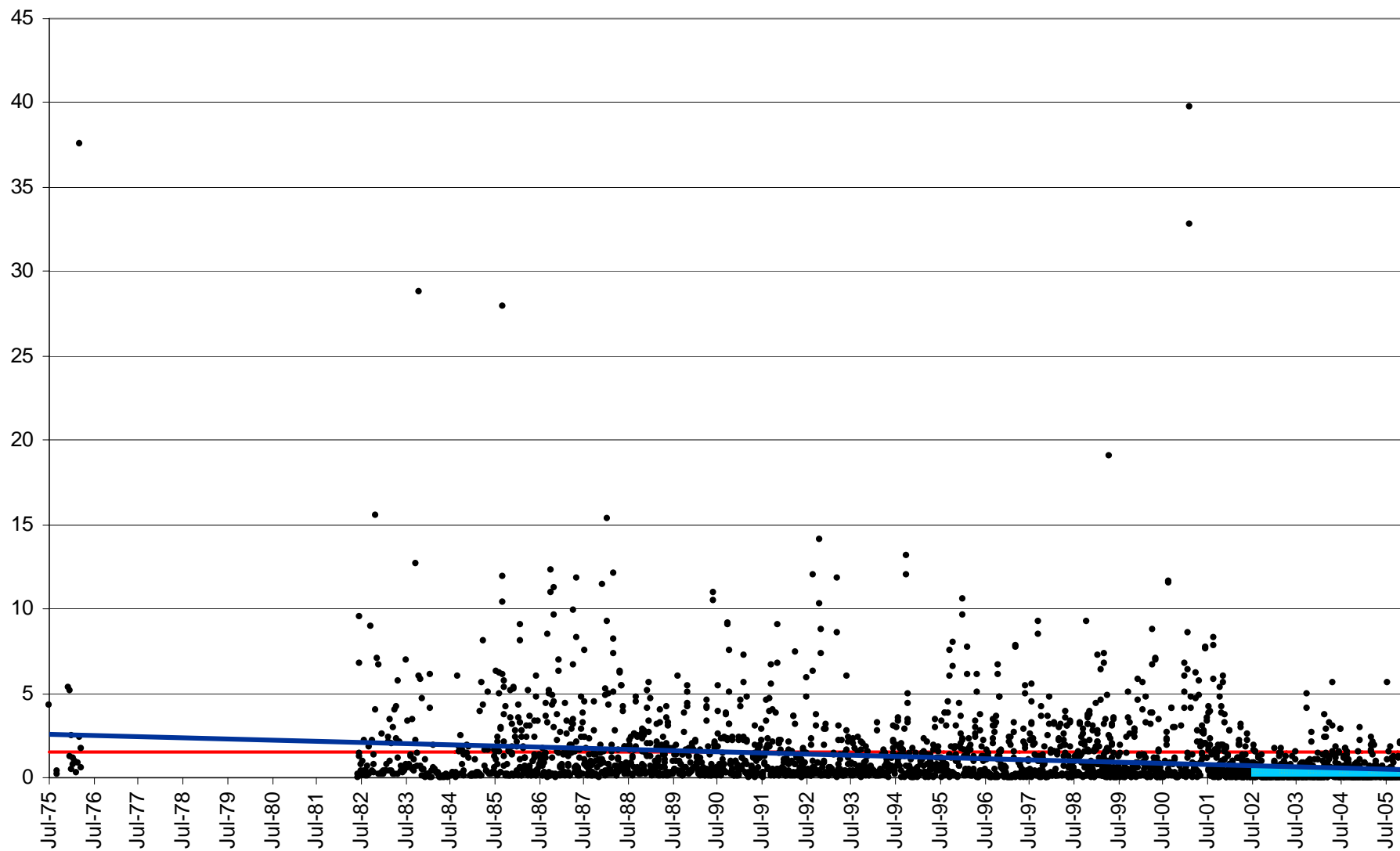
- CAAA 1990
- EPA Designated Herculaneum as Nonattainment of the Lead NAAQS on November 6, 1991
- State Prepared a Plan that was Approved by EPA on May 5, 1995, Attainment Date set for June 30, 1995
- Failure to Attain Notice Published on March 5, 1997, setting Revision deadline as September 15, 1999.



# History/Timeline of Previous SIP Efforts

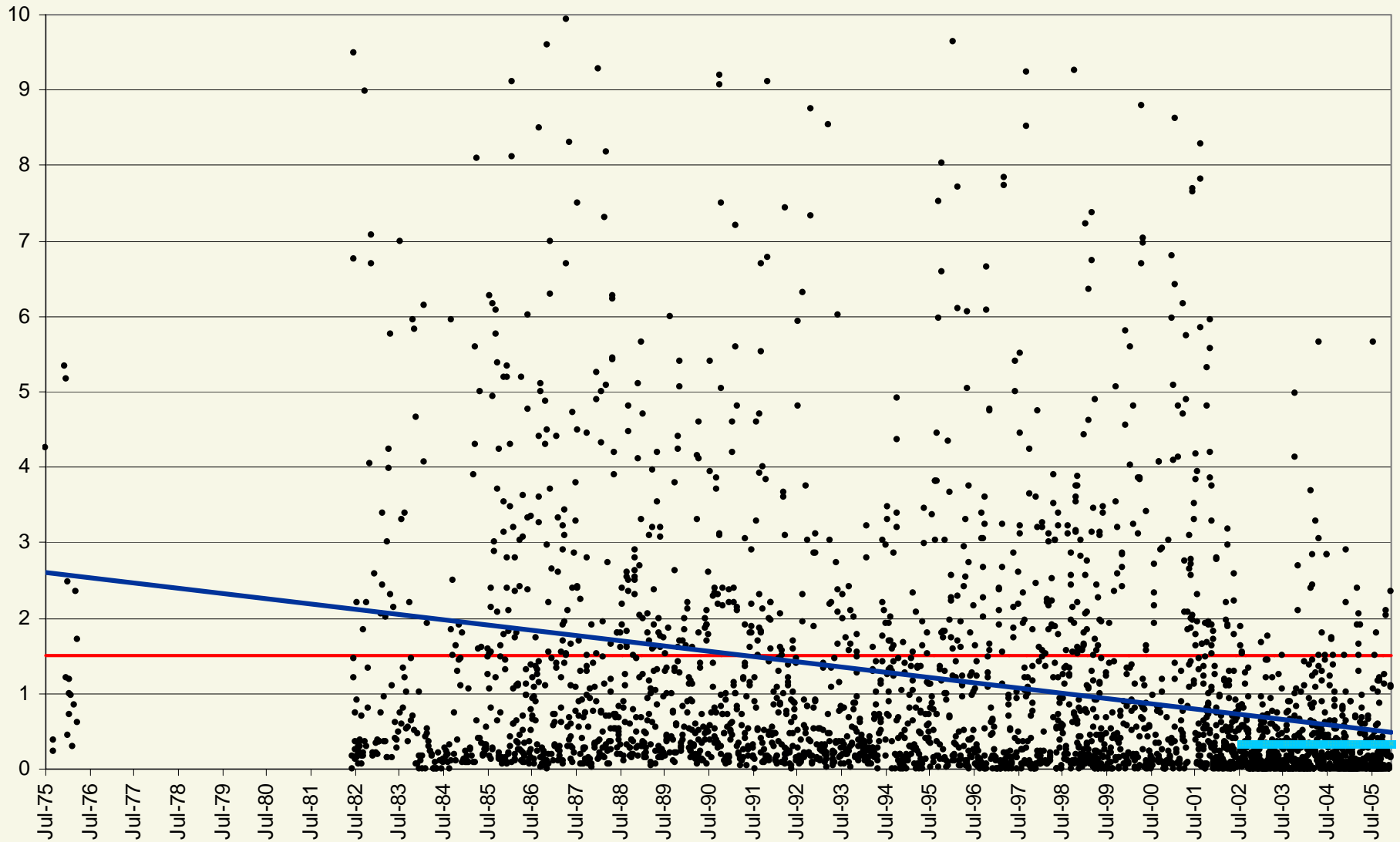
- Because of the Rigorous Technical Study the Last SIP Revision was submitted late (January 2000).
- By July 2002, all of the Emission Control Projects were Completed (on time). ~\$12 Million in Capital and Nearly \$100,000 per Month on Ongoing Operating Expenses.
- Attained Lead Standard 3rd Q 2002, for 10 Consecutive Calendar Quarters.
- NAAQS Violations 1st, 2nd, & 3rd Q 2005, & 1st Q 2006.

# Dunklin

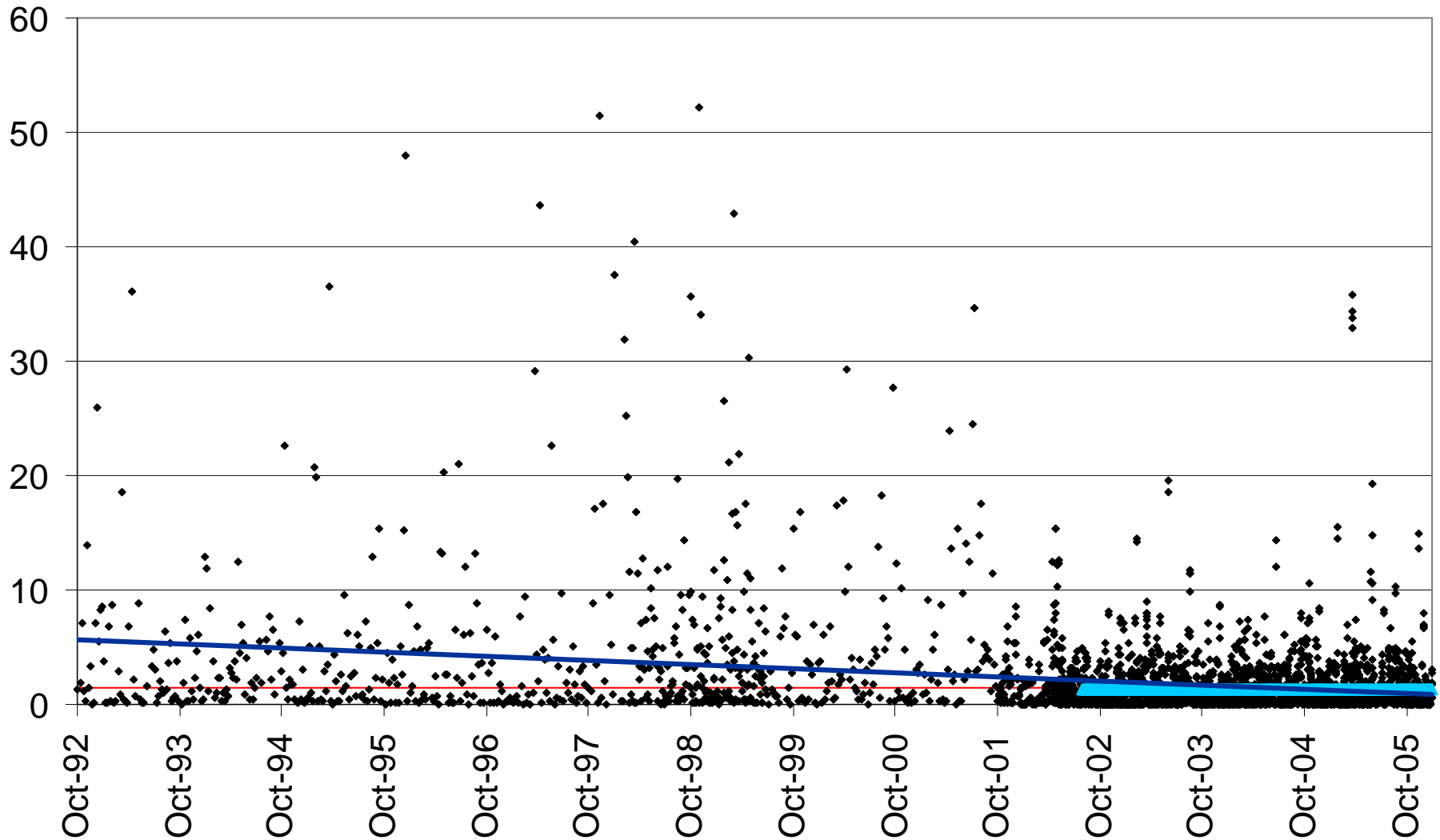




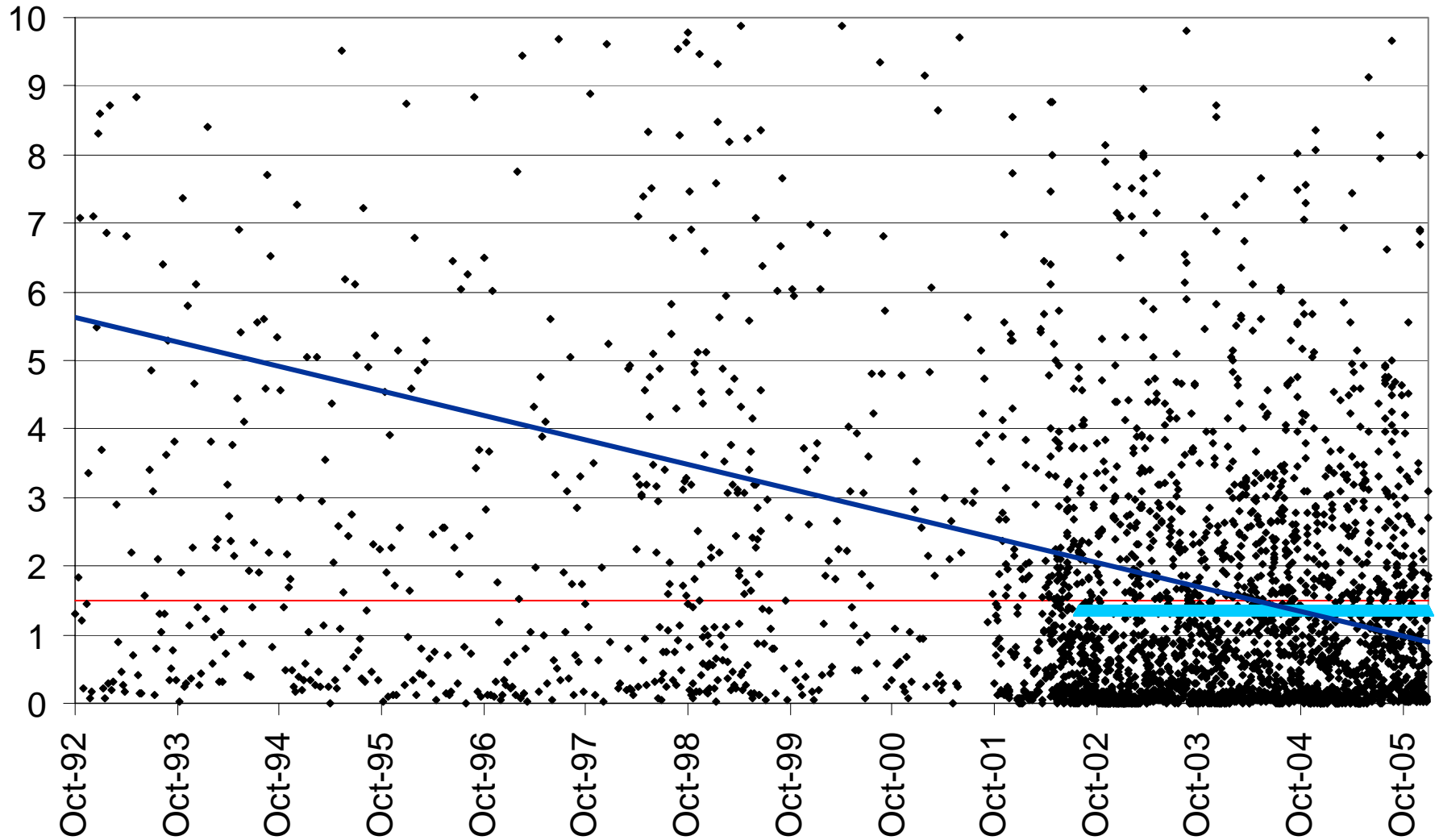
# Dunklin



# Broad Street

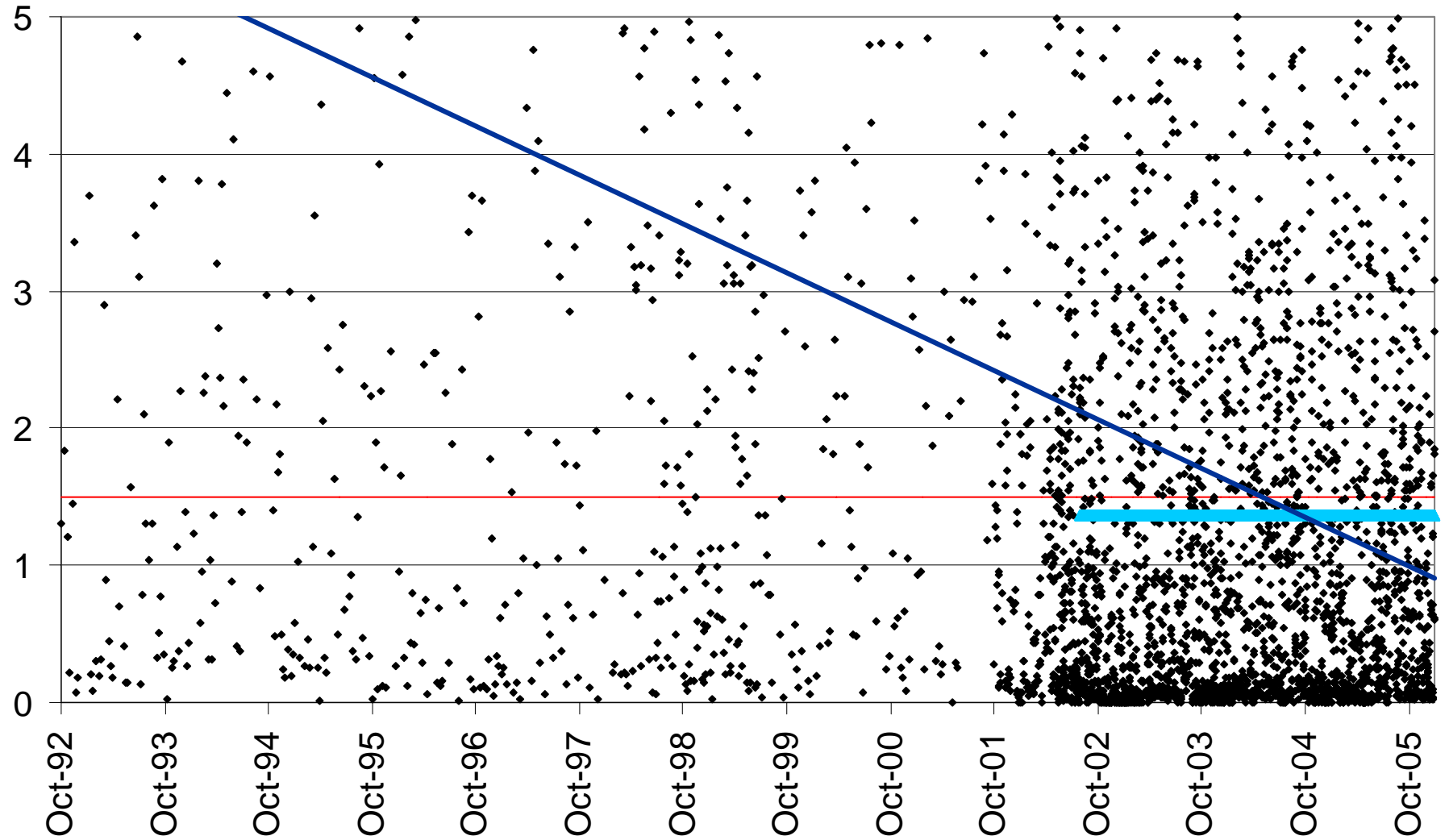


# Broad Street





## Broad Street



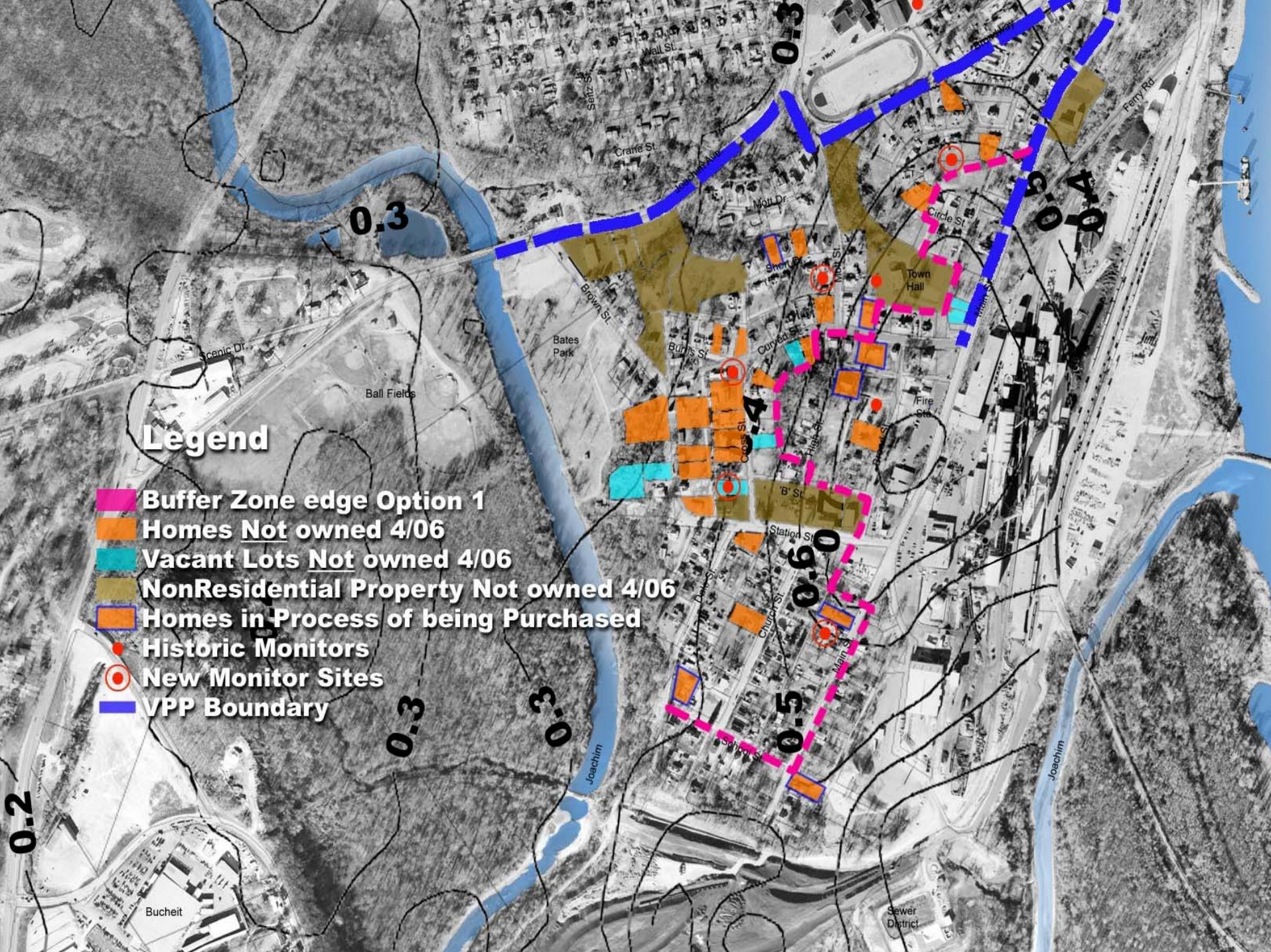
## Projects Under Consideration (completed)

- *#5 baghouse fans and blast furnace blowers interlock*
- *#5 baghouse fans malfunction alarms at blast furnace*
- *Tuyere controller upgrade*
- *#3 baghouse bags and bag cleaning methods*

## Projects Under Consideration (engineering)

- Fenceline relocation
- Move #1 blast furnace
- Blast furnace doghouse ventilation improvement
- Sinter plant building, roof ventilation improvement
- Yard sprinklers
- Enclosure of Cooler Baghouse







# Next Steps

- Host Next Public Meeting after Emission Inventory is Complete to Share Technical Documents (Summer 2006)
- Complete Technical Evaluation of Proposed Controls (September 2006)
- Negotiate Enforceable Settlement Agreement With Doe Run or Make Controls Enforceable (October 2006)
- Public Participation: Distribute All Documents for Comment, Additional Public Meeting if Needed, SIP hearings before Missouri Air Conservation Commission
- Formal SIP Submittal to EPA (April 7, 2007)
- Install All SIP Controls & Attain Standard (April 7, 2008)

# SIP Revision

Additional Questions, Comments,  
Suggestions ????

John Rustige, P.E.  
Air Pollution Control Program  
Missouri Department of Natural Resources